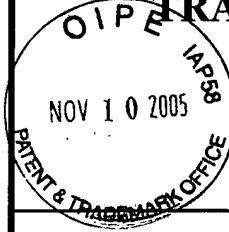


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Tfw 2143

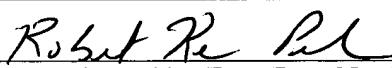
| | | | |
|---|--|-----------------------|-------------------|
|  | | Application No.: | 10/017,304 |
| | | Filing Date: | December 11, 2001 |
| | | First Named Inventor: | Yao Wang, et al |
| | | Confirmation No. | 7237 |
| | | Group Art Unit | 2143 |
| | | Examiner: | England, David E. |
| | | Customer No. | 24227 |
| Total Number of Pages in this Submission: | | Docket No. | EMC-01-201 |

ENCLOSURES (check all that apply)

| | | |
|---|---|--|
| <input checked="" type="checkbox"/> Authorization for the Commissioner to charge Deposit Account No. 05-0889 for fees associated with this transaction (in duplicate) | <input type="checkbox"/> Assignment Recordation Cover Sheet | <input type="checkbox"/> Petition for Revival of an Unintentionally Abandoned Application [37 CFR 1.137(b)] (in duplicate) |
| <input type="checkbox"/> Amendment/Response | <input type="checkbox"/> Declaration/Power of Attorney | <input type="checkbox"/> Status Inquiry |
| <input type="checkbox"/> After Final | <input checked="" type="checkbox"/> Power of Attorney and Correspondence Address Indication Form | <input type="checkbox"/> Form PTOL-85B, Part B -Issue Fee Payment Transmittal," (in duplicate) |
| <input type="checkbox"/> Affidavits/Decl. | <input checked="" type="checkbox"/> Statement Under 37 CFR 3.73(b) | <input type="checkbox"/> Express Abandonment Request |
| <input type="checkbox"/> Extension of Time Request for _____ Months | <input type="checkbox"/> Formal Drawings | <input type="checkbox"/> Terminal Disclaimer |
| <input type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Letter to Official Draftsperson with _____ (____) sheets of redlined changes to drawings | <input type="checkbox"/> Power of Attorney |
| <input type="checkbox"/> Request for Continued Examination Transmittal | <input type="checkbox"/> Copy of PTO 948, "Notice of Draftsperson's Patent Review" | <input type="checkbox"/> Statement Under 37 CFR 3.37(b) |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | <input type="checkbox"/> Preliminary Amendment | <input checked="" type="checkbox"/> Certificate of First Class Mailing |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> Additional Enclosures: | <input type="checkbox"/> Certificate of Express Mail Mailing |
| <input type="checkbox"/> Fee Transmittal (in duplicate) | | <input checked="" type="checkbox"/> Postcard |

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

November 7, 2005



Robert Kevin Perkins Esq. (Reg. No. 36,634)

EMC Corporation

Office of the General Counsel

Tel: (508) 293-6985

176 South Street

Fax: (508) 293-7189

Hopkinton, MA 01748

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8]

I hereby certify that this correspondence and the above-referenced enclosures are being:

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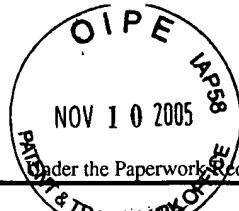
Transmitted by facsimile on the date shown below to the Patent and Trademark Office at (703)

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Sandra A. Kulaga

Typed or printed name of person signing certificate

**POWER OF ATTORNEY
AND
CORRESPONDENCE ADDRESS
INDICATION FORM**

| | |
|------------------------|--|
| Application Number | 10/017,304 |
| Filing Date | December 11, 2001 |
| First Named Inventor | Yao Wang, et al |
| Title | Network Management for Replication ... |
| Art Unit | 2143 |
| Examiner Name | England, David E. |
| Attorney Docket Number | EMC-01-201 |

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

Practitioners associated with the Customer Number:

24227

OR

Practitioner(s) named below:

| Name | Registration Number |
|------|---------------------|
| | |
| | |
| | |
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I am the:

Applicant/Inventor.
 Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

| | | | |
|-------------------|---|-----------|--------------|
| Signature | <i>John M. Gunther</i> | Date | 11-7-05 |
| Name | John M. Gunther | Telephone | 508-293-7255 |
| Title and Company | Vice President and Assistant General Counsel, EMC Corporation | | |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

| | | |
|--------------------------|-----------|----------------------|
| <input type="checkbox"/> | *Total of | forms are submitted. |
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This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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FEBRUARY 14, 2002

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EMC CORPORATION
ROBERT KEVIN PERKINS
OFFICE OF THE GENERAL COUNSEL
35 PARKWOOD DR.
HOPKINTON, MA 01748



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RECORDATION DATE: 12/11/2001

REEL/FRAME: 012390/0236
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:
WANG, YAO

DOC DATE: 12/05/2001

ASSIGNEE:
KENDLER, DAVID

DOC DATE: 12/05/2001

ASSIGNEE:
EMC CORPORATION
35 PARKWOOD DR.
HOPKINTON, MASSACHUSETTS 01748

SERIAL NUMBER: 10017304
PATENT NUMBER:

FILING DATE: 12/11/2001
ISSUE DATE:

SHARON LATIMER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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PATENT/Joint Assignment
Attorney Docket No.: EMC-01-201
Express Mail Mailing Label No ET 832199134 US

ASSIGNMENT

WHEREAS, we, Yao Wang and David Kendler, have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled *NETWORK MANAGEMENT FOR REPLICATION OF DATA STORED IN A DATA STORAGE ENVIRONMENT*, the specification of which:

[X] is being executed on even date herewith and is about to be filed in the United States Patent Office;

[] was filed on _____ as U.S. Application No. _____;

[] was patented under U.S. Patent No. _____ on _____.

WHEREAS, EMC Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts and having a usual place of business at 35 Parkwood Drive, Hopkinton, Massachusetts 01748 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution,

-2-

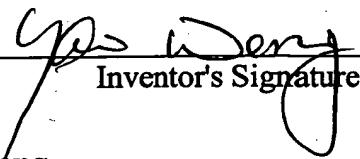
reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

Date:

12/01/2001


Inventor's Signature

Yao Wang

Print full name of first inventor:

25 Hawthorne Road, Shrewsbury, MA 01545

Residence:

USA

Citizenship:

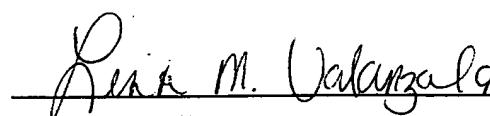
25 Hawthorne Road, Shrewsbury, MA 01545

Mailing Address:

STATE/COMMONWEALTH OF
COUNTY OF

Massachusetts
Middlesex

Then personally appeared before me the above-named Yao Wang and acknowledged that he executed the foregoing instrument as his free act and deed this 5 day of December, 2001.


Notary Public

Print Name: _____

LINDA M. VALANZOLA

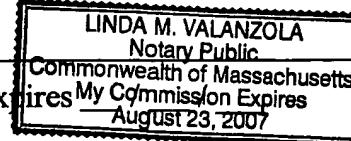
Notary Public

Commonwealth of Massachusetts

My Commission expires _____

My Commission Expires

August 23, 2007



-3-

Date: 12/05/2001

David Kendler

Inventor's Signature

Print full name of second inventor:

David Kendler

Residence:

108 Andrew Street, Newton, MA 02461

Citizenship:

USA

Mailing Address:

108 Andrew Street, Newton, MA 02461

STATE/COMMONWEALTH OF
COUNTY OF

Massachusetts

Middlesex

Then personally appeared before me the above-named David Kendler and acknowledged that he executed the foregoing instrument as his free act and deed this 5 day of December, 2001.

Linda M. Valanzola

Notary Public

Print Name: LINDA M. VALANZOLA

Notary Public

Commonwealth of Massachusetts

My Commission expires My Commission Expires

August 23, 2007